



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

SIW Impact Windows, LLC
975 S. Congress Avenue, # 102
Delray Beach, FL 33445

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "S-400" Outswing Aluminum Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W09-54, titled "S-400 Alum. Outswing Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 10/13/09, with revision B dated 08/21/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 12-0223.06 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



Handwritten signature and date:
2/26/15

NOA No. 14-0926.14
Expiration Date: January 27, 2020
Approval Date: February 12, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W09-54**, titled "S-400 Alum. Outswing Casement Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 10/13/09, with revision B dated 08/21/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering and Testing, Inc., Test Reports No. **HETI-09-2599, HETI-09-2599B, HETI-09-2601, HETI-09-2602, HETI-09-2608, HETI-09-2609** and **HETI-09-2610**, dated 08/15 to 26/09, signed and sealed by Candido F. Font, P.E.
(Submitted under **NOA#09-1021.09**)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 08/18/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0926.14

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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated August 18, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letters for Test Reports No. **HETI-09-2599, HETI-09-2599B, HETI-09-2601, HETI-09-2602, HETI-09-2608, HETI-09-2609 and HETI-09-2610**, issued by Hurricane Test Laboratory, Inc., dated 08/15 to 26/09, signed and sealed by Candido F. Font, P.E.
(Submitted under NOA#09-1021.09)

G. OTHER

1. Notice of Acceptance No. **12-0223.06**, issued to SIW Impact Windows, LLC for their Series "S-400" Outswing Aluminum Casement Window – L.M.I., approved on 04/26/12 and expiring on 01/27/15.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0926.14

Expiration Date: January 27, 2020
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SERIES S-400
ALUMINUM OUTSWING CASEMENT WINDOW

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF CASEMENT/CASEMENT OR CASEMENT WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.
 LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

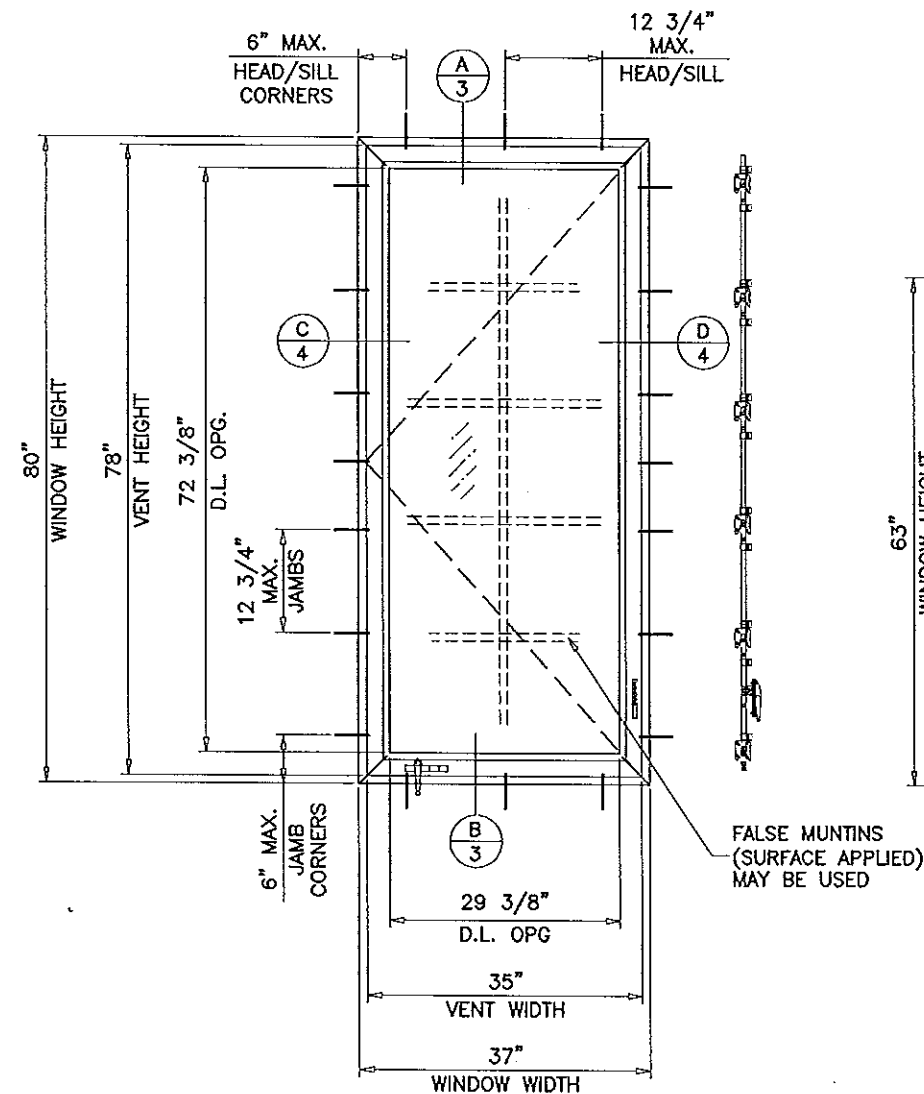
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

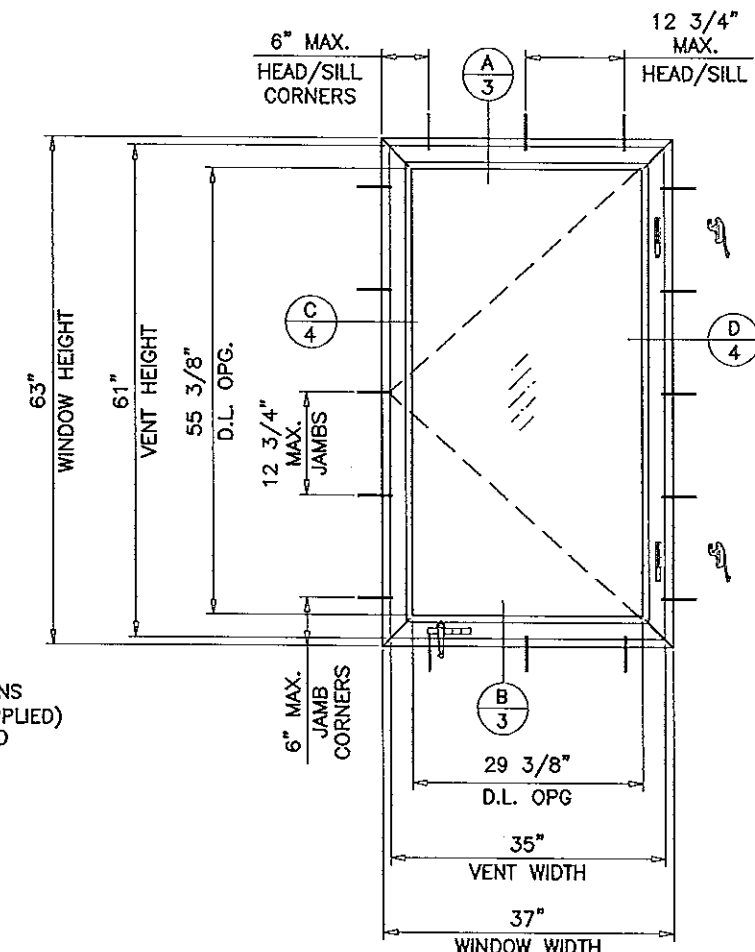
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.



TYPICAL ELEVATION
 MULTI POINT LOCK



TYPICAL ELEVATION
 TWO POINT LOCKS

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-092614
 Expiration Date Jan 27, 2020
 By *Manuel Perez*
 Miami Dade Product Control

FEB 05 2015

AL-FAROOQ CORPORATION
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 MIAMI, FLORIDA 33174
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 COMP-ANL\W09-54SIW

SIW IMPACT WINDOWS, LLC.
 975 S. CONGRESS AVE. #102
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revisions:		date		description	
A	01.04.12	by		description	UPDATED TO 2010 FBC
B	08.21.14	by		description	UPDATED TO 2014 FBC
C	02.05.15	by		description	REV. PER RER COMMENTS

date: 10-13-09

scale: 1/2"=1'-0"

dr. by: HAMID

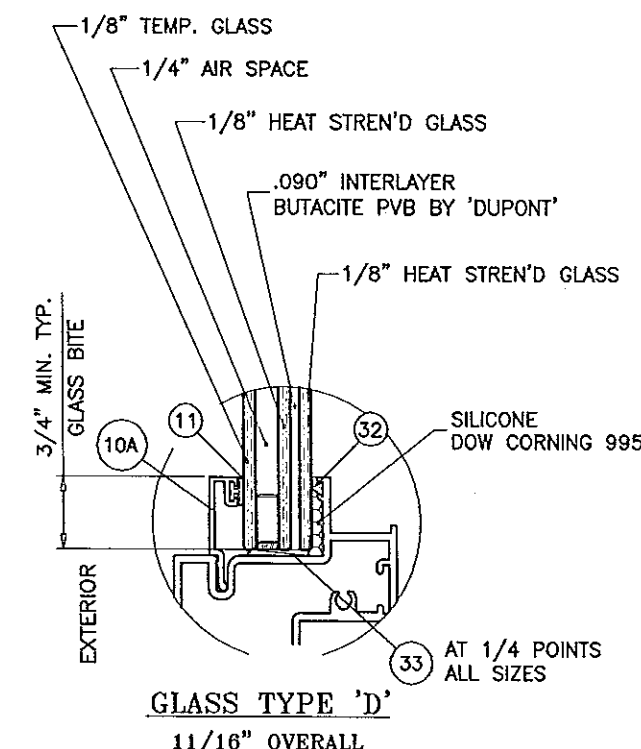
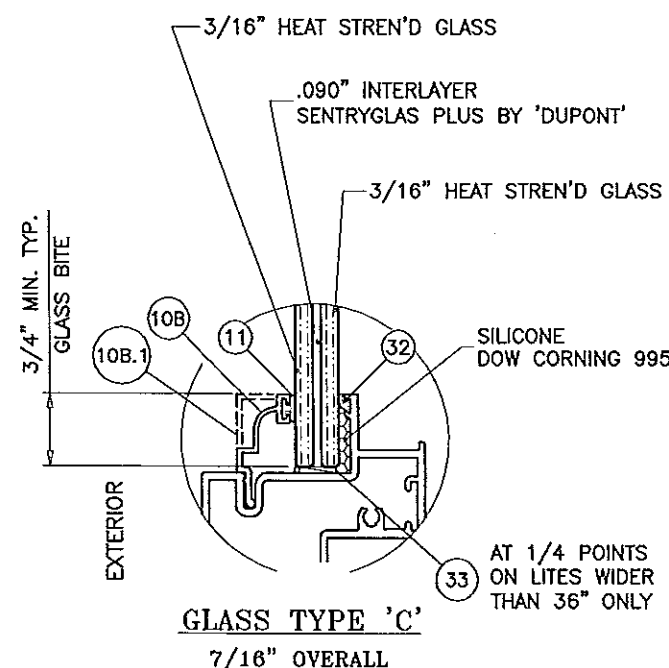
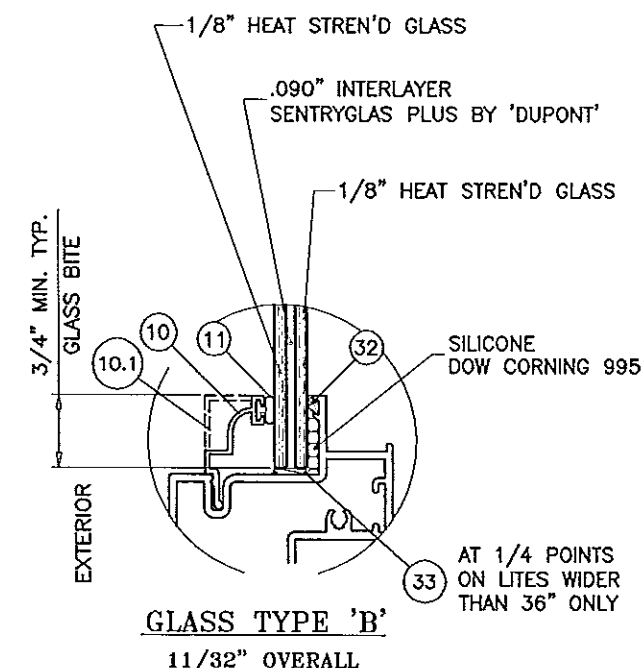
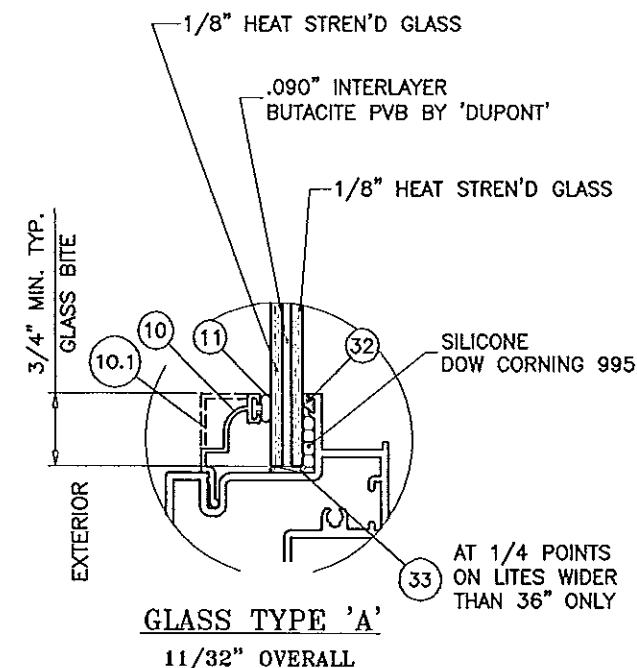
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drawing no.
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sheet 1 of 6

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		2 POINT LOCKS		MULTI POINT LOCK					
		GLASS TYPES 'A', 'B', 'C' & 'D'		GLASS TYPE 'A'		GLASS TYPES 'B' & 'C'		GLASS TYPE 'D'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"	38-3/8"	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
32"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
26-1/2"	50-5/8"	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
32"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
26-1/2"	63"	70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
32"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
37"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
42"		70.0	70.0	70.0	70.0	80.0	80.0	80.0	80.0
26-1/2"	74-1/4"	54.4	54.4	54.4	54.4	80.0	80.0	62.2	62.2
32"		-	-	-	-	80.0	80.0	-	-
37"		-	-	-	-	80.0	80.0	-	-
42"		-	-	-	-	80.0	80.0	-	-
26-1/2"	80"	43.2	43.2	43.2	43.2	80.0	80.0	49.3	49.3
32"		-	-	-	-	80.0	80.0	-	-
37"		-	-	-	-	80.0	80.0	-	-
42"		-	-	-	-	80.0	80.0	-	-
26-1/2"	84"	37.1	37.1	37.1	37.1	80.0	80.0	42.4	42.4
32"		-	-	-	-	77.6	77.6	-	-

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219



GLAZING OPTIONS

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

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as complying with the Florida
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By *Manuel Perez*
Miami Dade Product Control

FEB 05 2020

a f c

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COMP-ANL\W09-54SIW

S-400 ALUM OUTSWING CASEMENT WDW. (L.M.I.)

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975 S. CONGRESS AVE. #102
DELRAY BEACH, FL. 33445
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no	date	by	description
A	01.04.12		NO CHANGE THIS SHEET
B	08.21.14		UPDATED TO 2014 FBC
C	02.05.15		REV. PER PER COMMENTS

date: 10-13-09

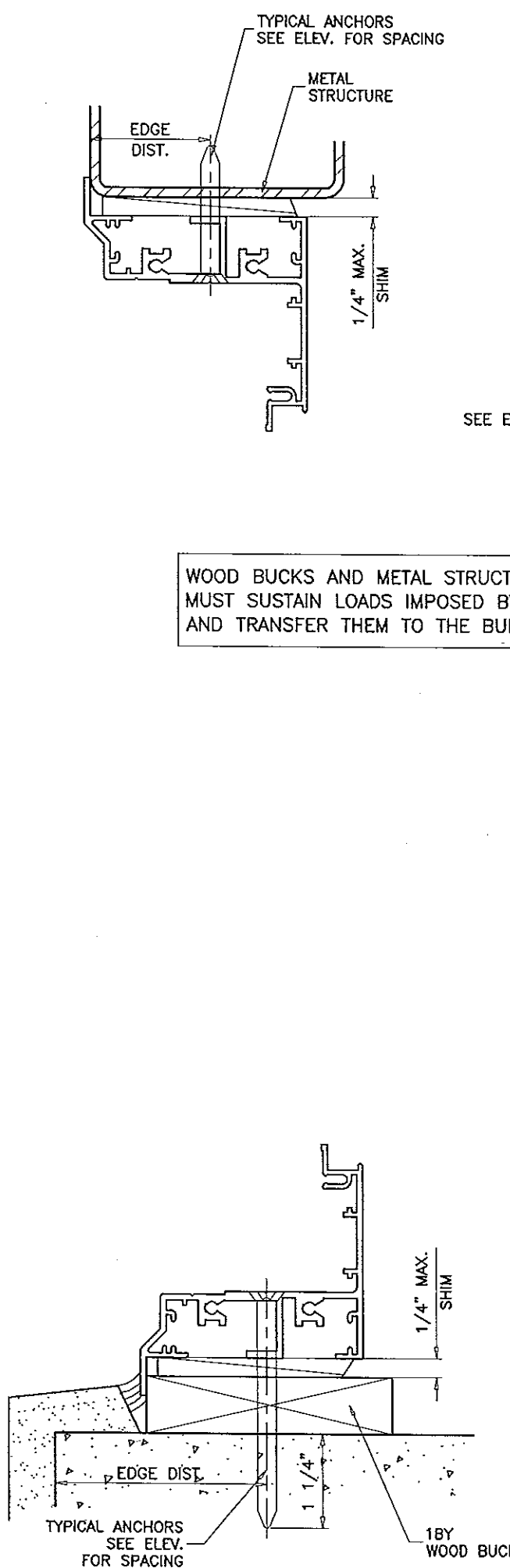
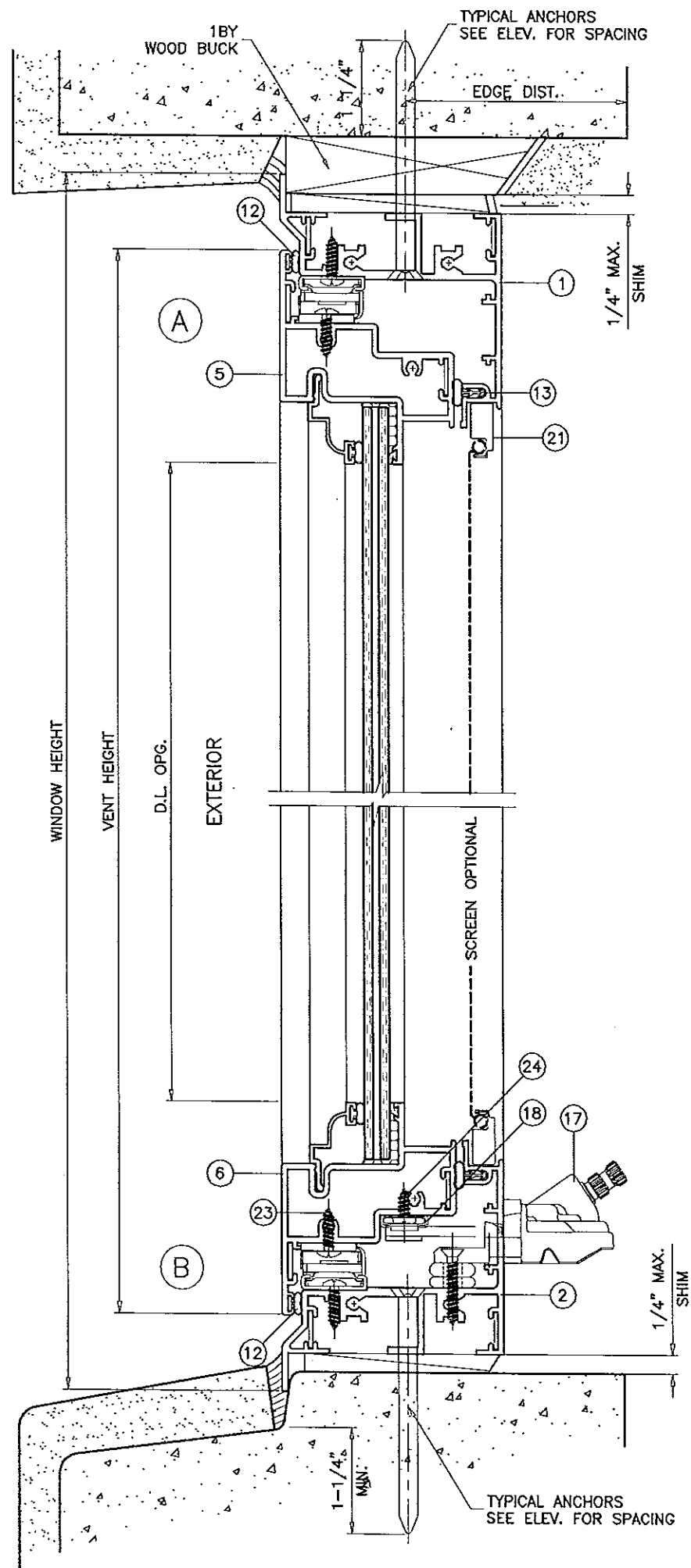
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dr. by: HAMID

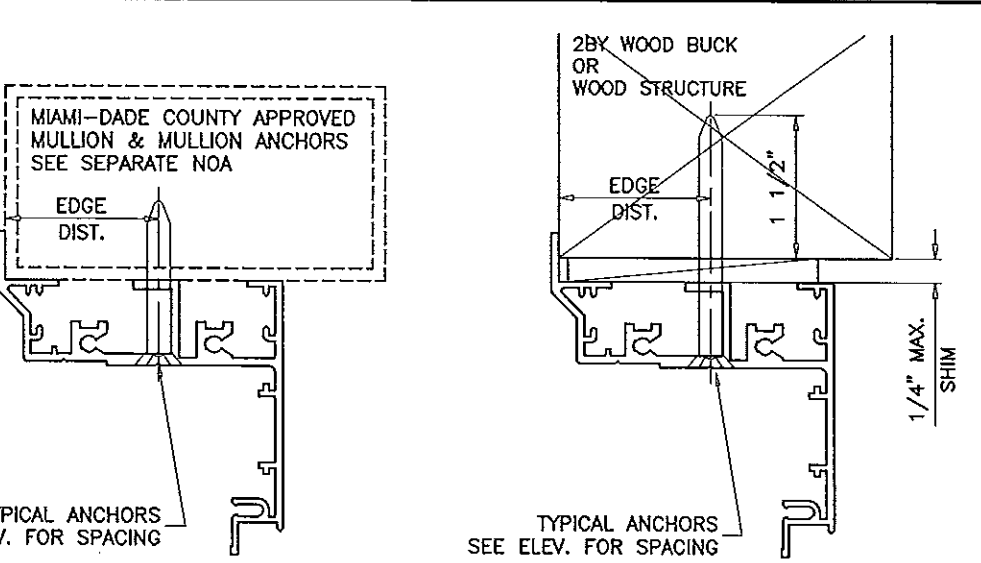
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W09-54

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WOOD BUCKS AND METAL STRUCTURE NOT BY S.I.W. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING
 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD
 THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
 DIRECTLY INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
 ALL FRAME AND VENT CORNERS SEALED WITH
 SCHNEE MOREHEAD SM-5504 SEALANT.

Engr: JAVAD AHMAD
 CML
 FLA. PE # 70592
 C.A.N. 3538
 FEB 05 2015

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 By *Manuel Ferraz*
 Miami Dade Product Control

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COMP-ANL W09-54SIW

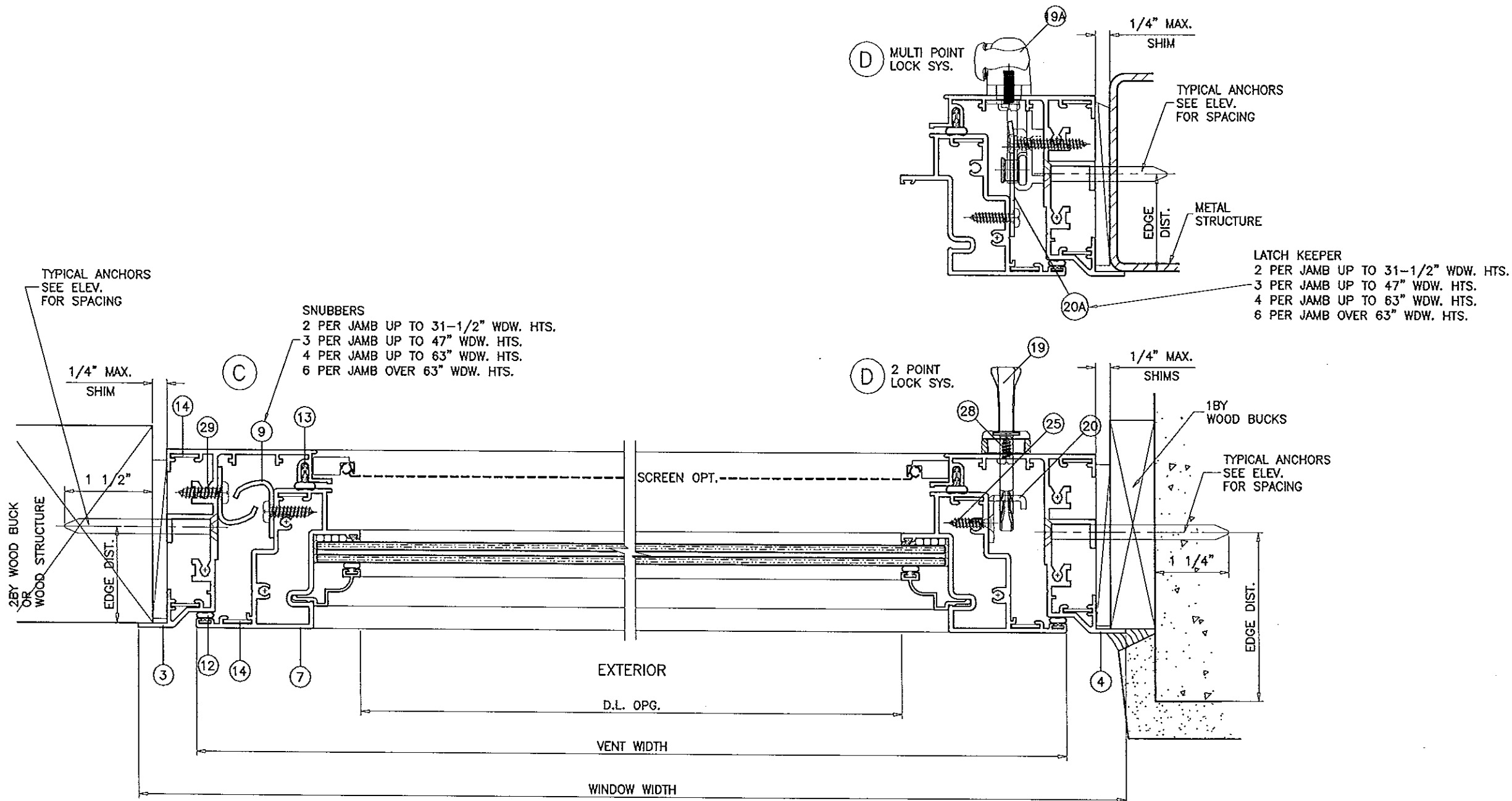
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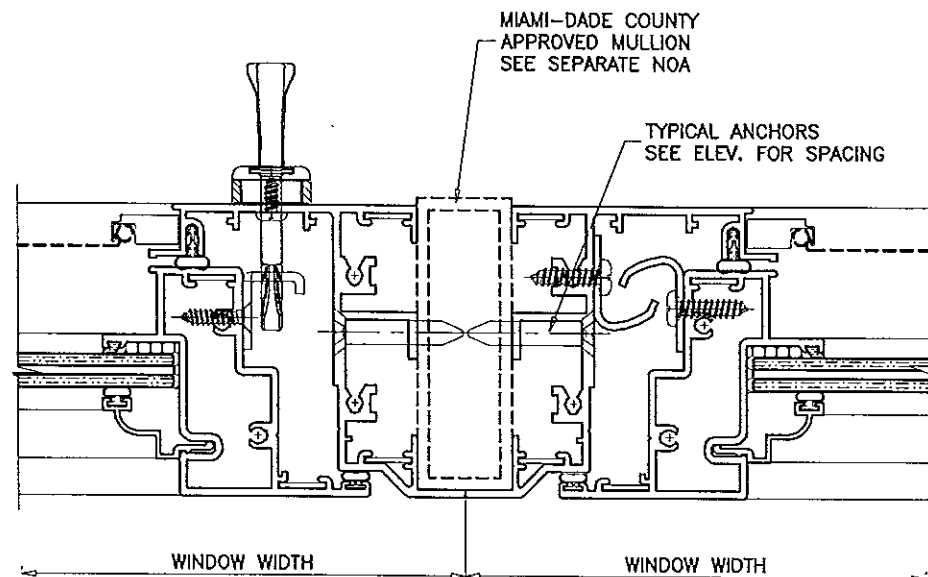
revisions:	no	date	by	description
A	01.04.12			NO CHANGE THIS SHEET
B	06.21.14			UPDATED TO 2014 FBC
C	02.05.15			REV. PER RER COMMENTS

date: 10-13-09
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W09-54
 sheet 3 of 6



SINGLE VENT WINDOWS



Engr: JAVAD AHMAD
 CML
 FLA. PE # 70592
 C.A.N. 3538

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 Miami Dade Product Control

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S-400 ALUM OUTSWING CASEMENT WDW. (L.M.I.)
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dr. by:	HAMID
chk. by:	

drawing no.	W09-54
sheet	4 of 6

ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW401	1	FRAME HEAD	6063-T6	-
2	SIW401	1	FRAME SILL	6063-T6	-
3	SIW401	1	FRAME JAMB-HINGE SIDE	6063-T6	-
4	SIW401	1	FRAME JAMB-LATCH SIDE	6063-T6	-
5	SIW402	1	VENT TOP RAIL	6063-T6	-
6	SIW402	1	VENT BOTTOM RAIL	6063-T6	-
7	SIW402	1	VENT SIDE RAIL-HINGE SIDE	6063-T6	-
8	SIW402	1	VENT SIDE RAIL-LATCH SIDE	6063-T6	-
9	23138	AS REQD.	SNUBBER	ST. STEEL	TRUTH HARDWARE
10	SIW112	AS REQD.	GLAZING BEAD (5/16" GLASS)	6063-T6	-
10.1	SIW128	AS REQD.	ALT. GLAZING BEAD (5/16" GLASS)	6063-T6	-
10A	SIW117	AS REQD.	GLAZING BEAD (11/16" INSUL. GLASS)	6063-T6	-
10B	SIW108	AS REQD.	GLAZING BEAD (7/16" GLASS)	6063-T6	-
10B.1	-	AS REQD.	ALT. GLAZING BEAD (7/16" GLASS)	6063-T6	-
11	5531	AS REQD.	EXT. GLAZING SPACER, DUROMETER 70±5 SHORE A	SANTOPRENE	CENTRAL PLASTICS
12	9302	AS REQD.	OUTER COMPRESSION SEAL	-	CENTRAL PLASTICS
13	APT425	AS REQD.	INNER COMPRESSION SEAL	-	SCHLEGEL SYSTEMS
14	PJS40-SS	2/ CORNER	CORNER LOCK (1-3/4" X 1-3/4" X .054" THK.)	ST. STEEL	SULLIVAN & ASSOCIATES
15	-	-	-	-	-
16	35.13	2/ WDW	4 BAR HINGES-HEAVY DUTY	ST. STEEL	TRUTH HARDWARE
17	52.13	1/ WDW	SINGLE ARM OPERATOR	-	TRUTH HARDWARE
17.1	32658	1	OPERATOR GASKET .062	-	TRUTH HARDWARE
17.2	32833	1	OPERATOR SPACER .236	-	TRUTH HARDWARE
17.3	21546	1	OPERATOR SPACER .138	-	TRUTH HARDWARE
17.4	21547	1	OPERATOR SPACER .189	-	TRUTH HARDWARE
18	30175	1/ OPER.	TRACK	ST. STEEL	TRUTH HARDWARE
19	24.25	2/ VENT	LOCK ASSEMBLY (SINGLE POINT LOCK SYS.)	-	TRUTH HARDWARE
19.1	21496	2/ VENT	SPACER (SINGLE POINT LOCK SYS.)	-	TRUTH HARDWARE
20	31384	1/ LOCK	KEEPER (SINGLE POINT LOCK)	ST. STEEL	TRUTH HARDWARE
19A	24.33	2/ VENT	LOCK ASSEMBLY (MULTI POINT LOCK SYS.)	-	TRUTH HARDWARE
19A.1	21709	2/ VENT	SPACER (MULTI POINT LOCK SYS.)	-	TRUTH HARDWARE
19A.2	21600	1/ LOCK	SUPPORT PLATE (MULTI POINT LOCK SYS.)	-	TRUTH HARDWARE
20A	31301	AS REQD.	KEEPER (MULTI POINT LOCK)	-	TRUTH HARDWARE
20A.1	24 SERIES	1	INTERLOCK ROLLER TIE BAR (MULTI POINT LOCK)	-	TRUTH HARDWARE
20A.2	32824	AS REQD.	TIE BAR GUIDE (MULTI POINT LOCK)	-	TRUTH HARDWARE
20A.3	-	2/ GUIDE	TIE BAR GUIDE MOUNTING SCREWS (MULTI POINT LOCK)	-	#10 X 1-1/4" FH SMS
21	-	1	5/16" BOX SCREEN	-	OPTIONAL
22	-	2/ CORNER	FRAME & VENT ASSY. SCREWS	CRS	#10 x 1-1/4" FH SMS
23	-	6/HINGE	HINGE MOUNTING SCREWS	-	#10 x 3/4" FH SMS
24	-	2/OPERATOR	OPERATOR TRACK MTG. SCREWS	-	#10 x 3/4" FH SMS
25	-	2/KEEPER	KEEPER MOUNTING SCREWS	-	#10 x 3/4" FH SMS
26	-	-	-	-	-
27	-	6/OPERATOR	OPERATOR MOUNTING SCREWS	-	#10 X 1-1/4" FH SMS
28	-	2/LOCK	LOCK ASSEMBLY MOUNTING SCREWS	-	#10-24 X 1/2" FH MS TYPE F
29	-	2/SNUBBER	SNUBBER MTG. SCREW	-	#10 x 3/4" FH SMS
32	5530	AS REQD.	INTERIOR GLAZING SPACER, DUROMETER 70±5 SHORE A	SANTOPRENE	CENTRAL PLASTICS
33	-	2/ LITE	SETTING BLOCK	EPDM	DUROMETER 85±5 SHORE A

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By *Muhammad Fereez*
Miami Dade Product Control

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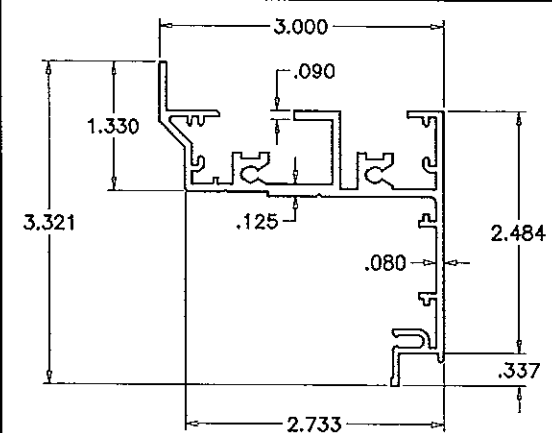
revisions:

no	date	by	description
A	01.04.12		NO CHANGE THIS SHEET
B	08.21.14		UPDATED TO 2014 FBC
C	02.05.15		NO CHANGE THIS SHEET

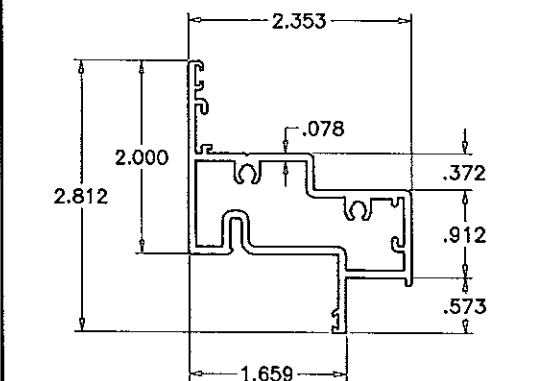
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dr. by: HAMID
chk. by:

drawing no.
W09-54

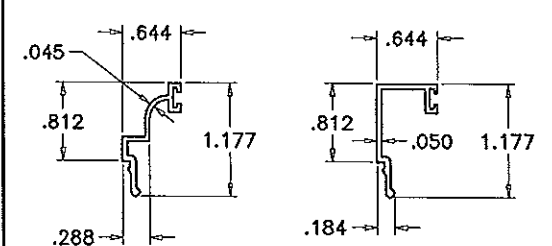
sheet 5 of 6



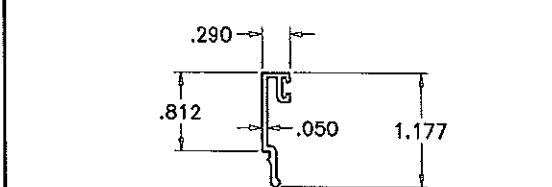
1 2 3 4 FRAME



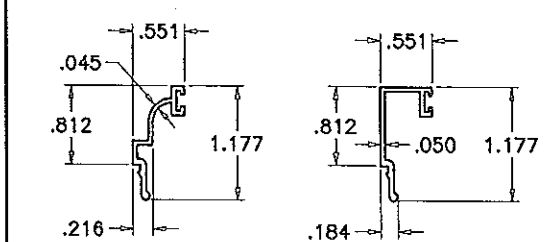
5 6 7 8 VENT



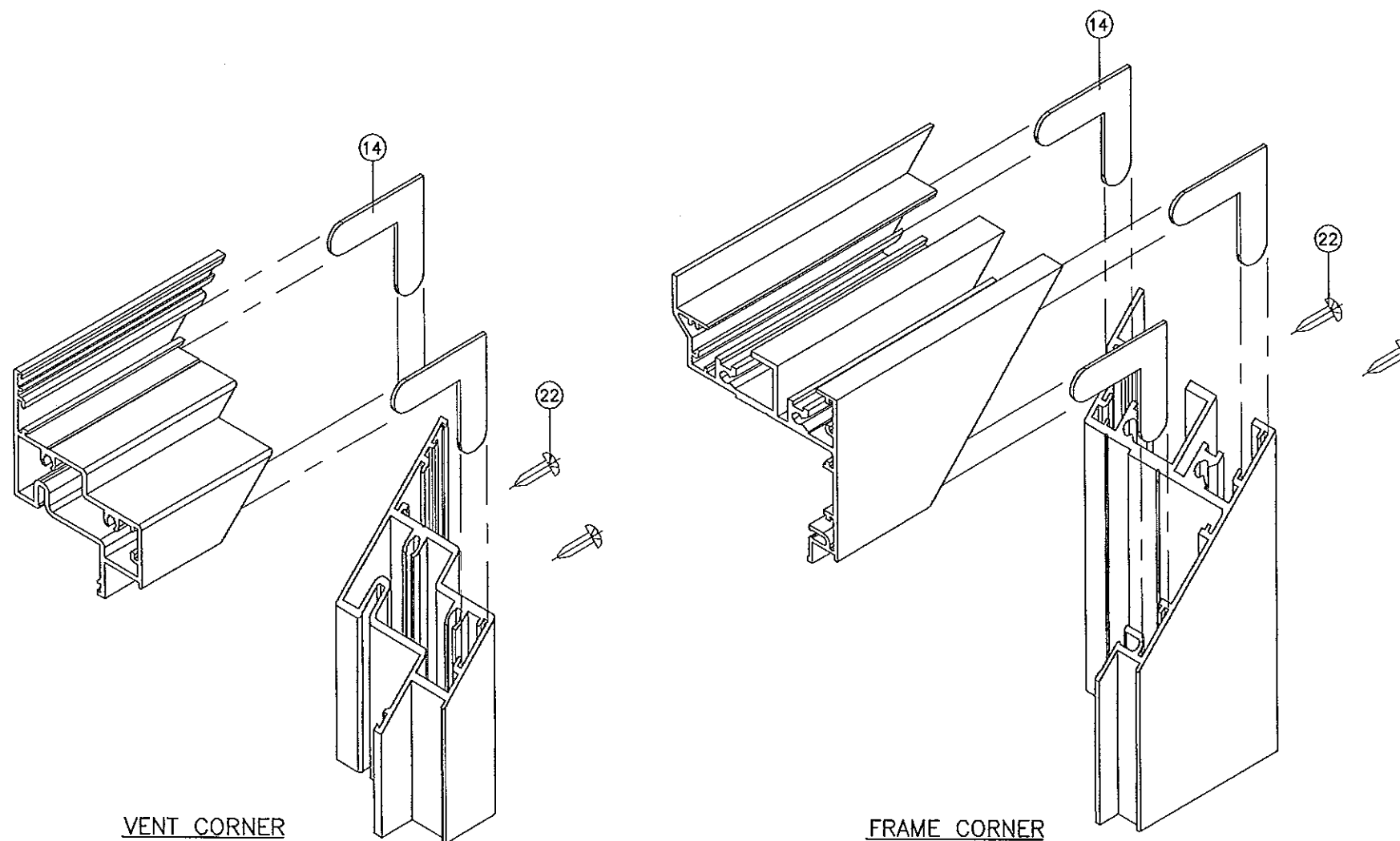
10 10.1 GLAZING BEADS (5/16" GLASS)



10A GLAZING BEAD (11/16" INSUL. GLASS)



10B 10B.1 GLAZING BEADS (7/16" GLASS)



VENT CORNER

FRAME CORNER

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0926-14
Expiration Date Jan 27, 2020
By *Manuel Perez*
Miami Dade Product Control

FEB 05 2015

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W09-54SIW

S-400 ALUM OUTSWING CASEMENT WDW. (L.M.I.)
SIW IMPACT WINDOWS, LLC.
975 S. CONGRESS AVE. #102
DELRAY BEACH, FL. 33445
TEL (561) 274-9392 FAX (561) 274-9262

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sheet	6 of 6